

## SYSTEM FOR MONITORING A TEMPERATURE CONDITION

### ABSTRACT OF THE DISCLOSURE

A system for monitoring a temperature condition includes a fiber optic cable, a light emitting device coupled to the fiber optic cable and configured to input a light pulse into the fiber optic cable, and an optical receiver coupled to the fiber optic cable and configured to receive a reflection signal that arises from the input light pulse in the fiber optic cable. A processor of the system is configured to determine a temperature condition along the fiber optic cable and a location of the temperature condition along the fiber optic cable based on the reflection signal.